

CLAIMS

1. A pneumatic tire comprising
a tread portion,
a pair of sidewall portions and
a pair of bead portions, each said bead portion having a
bottom face and an axially outer side face which contact with a
bead seat and a flange of a wheel rim, respectively, when the
tire is mounted on the wheel rim,
in a meridian section of the tire, said axially outer side
face comprising a radially inner part for contacting with a
radially inner flat portion of the rim flange, and
a radially outer part for contacting with a radially outer curved
portion of the rim flange, wherein
said axially outer side face is provided with a profile
such that the radially inner part is a substantially straight
line, and the radially outer part is (A) a substantially straight
line or (B) a convex line or (C) a curved concave line having a
radius of curvature of not less than 300 mm, and
the radially outer part extends radially outwards from the
radially outer end of the radially inner part while inclining
axially outwards.
2. The pneumatic tire according to claim 1, wherein
the inclination angle (θ) of the radially outer part
at the radially inner end thereof is in a range of from 10 to 20
degrees with respect to the tire equatorial plane.
3. The pneumatic tire according to claim 1, wherein
the height (h_b) of the radially outer end of the radially

outer part is in a range of 0.35 to 0.45 times the height H of the maximum section width position of a carcass.

4. The pneumatic tire according to claim 1, wherein the height (h_b) of the radially outer end of the radially outer part is more than the height of the rim flange.

5. The pneumatic tire according to claim 1, wherein the height (h_a) of the radially inner end of the radially outer part is in a range of from 0.15 to 0.25 times the height H of the maximum section width position of a carcass.

6. The pneumatic tire according to claim 1, wherein the height (h_a) of the radially inner end of the radially outer part is in a range of from 0.6 to 1.2 times a height h_c , wherein the height h_c is a height at which the radially outer curved portion of the rim flange meets the radially inner flat portion of the rim flange.

7. The pneumatic tire according to claim 6, wherein the height h_c is 9 mm.

8. The pneumatic tire according to claim 1, wherein the tire aspect ratio is not more than 55 %.